

**METHOD FOR STEREOSCOPIC MEASURING IMAGE POINTS
AND DEVICE FOR CARRYING OUT SAID METHOD**

ABSTRACT OF THE DISCLOSURE

[115] A method of measuring stereoscopic image points comprising the steps of:
5 construction of a stereoscopic model of an object using a pair of overlapping images;
determination of the aiming vectors of the eyes during stereoscopic perception of that model;
recording aiming vector data at the moment of eye fixation, by computing a projection of the
area of fixation of the observed model on a monitor screen, for each eye; and calculating a
typical point of the object being observed. Also, device for the stereoscopic measuring of
10 the position data of image points comprising: a left video-camera for tracking movements of
an observer's left eye; a right video-camera for tracking movements of the observer's right
eye; a video-camera for tracking the observer's head movements; a video-capture system for
allowing capturing of an image by a personal computer; a monitor for displaying the image;
and a stereo-observation system for allowing the observer to observe stereoscopic images.